



State of New Jersey
Department of Environmental Protection and Energy
Division of Responsible Party Site Remediation
CN 028
Trenton, NJ 08625-0028

Scott A. Weiner
Commissioner

Karl J. Delaney
Director

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
NO. P 642 609 025

Cristopher Anderson
Director of Environmental Affairs
L. E. Carpenter & Company
1301 East North Street
Suite 3600
Cleveland, OH 44144

21 DEC 1992

Re: L. E. Carpenter Site
Wharton Borough, Morris County

Dear Mr. Anderson:

The New Jersey Department of Environmental Protection and Energy ("Department" or "NJDEPE") submits the following to clarify our understanding of and the agreements made during the December 15, 1992 conference call between the Department, Weston Inc. and L.E. Carpenter.

I. Discharge of Treated Ground Water

The Department considers the Feasibility Study to be lacking adequate evaluations of the discharge options of the treated ground water. Weston has agreed to further evaluate and discuss the Discharge to Surface Water and the Discharge to Ground Water options (which are presently discussed on pages 4-39 and 6-22).

The Department requests an further explanation of why wells, drain fields, or infiltration galleries as discussed on page 4-39, section 4.3.9.3. as being applicable for treated ground water recharge, were ruled out in favor of perforated pipe as mentioned on page 6-22. To fully evaluate the option of discharging excess treated water into the ground water, a discussion of limiting factors such as hydraulic permeability, recharge rates, water balances must be included to support the preferred alternative. A more complete explanation must be included which discusses the rational for discharging to the Rockaway River for a portion of the treated ground water. The Department suggests evaluating the newly proposed



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Surface Water Quality Standards published in the November 2, 1992 New Jersey Register when discussing the discharge to surface water alternative.

II. Extraction: Well vs. Trench

An agreement was made that L. E. Carpenter does not have all the design parameters to decide which extraction technique will be the best engineered alternative. The draft Record of Decision will discuss using both options simultaneously so L. E. Carpenter will have the option during design.

III. Slug Test Information

Weston stated that the recent slug test information indicates the shallow zone to be varied in permeability throughout the site. The Department suggests running the new information through a model, similar to that presented in the FS using the intermediate zone parameters, for further evaluation of ground water discharge of treated water.

IV. Quarterly Sampling


L. E. Carpenter will have monitor well MW-11d sampled during the next round of quarterly sampling which is presently scheduled for January.

V. ROD Scheduled

The Department will inform L. E. Carpenter and Weston of the ROD schedule as soon as the above requested information has been submitted and approved.

Should you have any other issues which I have discussed in this letter, please contact me at (609) 633-1455. The Department, L. E. Carpenter, and Weston have agreed that the discharge of treated ground water evaluation will be submitted to the Department the week of January 11, 1993. Thank you for your continuing cooperation.

Sincerely,


Christina H. Purcell, Case Manager
Bureau of Federal Case Management

cc: Martin O'Neill, Weston
John Prendergast, BEERA
George Blyskun, BGWPA